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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Oct 17 17:36:15 EDT 2007

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Application No: 10590539

Version No: 1.0

Input Set:

Output Set:

Started: 2007-10-02 14:27:41.118

Finished: 2007-10-02 14:27:43.165

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 47 ms

Total Warnings: 30

Total Errors: 0

No. of SeqIDs Defined: 62

Actual SeqID Count: 62

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (31)
W 213	Artificial or Unknown found in <213> in SEQ ID (32)
W 213	Artificial or Unknown found in <213> in SEQ ID (33)
W 213	Artificial or Unknown found in <213> in SEQ ID (34)
W 213	Artificial or Unknown found in <213> in SEQ ID (35)
W 213	Artificial or Unknown found in <213> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (37)
W 213	Artificial or Unknown found in <213> in SEQ ID (38)
W 213	Artificial or Unknown found in <213> in SEQ ID (39)
W 213	Artificial or Unknown found in <213> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (41)

**Input Set:**

**Output Set:**

**Started:** 2007-10-02 14:27:41.118  
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**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 47 ms  
**Total Warnings:** 30  
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**No. of SeqIDs Defined:** 62  
**Actual SeqID Count:** 62

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (42) This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (58)
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<110> East, Peter David  
Brown, Susan Elizabeth

<120> Antifungal peptides

<130> 76786

<140> 10590539

<141> 2007-10-02

<150> AU 2004900938

<151> 2004-02-24

<150> PCT/AU05/00234

<151> 2005-02-23

<160> 62

<170> PatentIn version 3.3

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<211> 64

<212> PRT

<213> Galleria mellonella

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			20					25					30		

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<212> PRT

<213> Galleria mellonella

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1				5					10					15	

Phe Ile Gly Ser Asn Glu Ala Ala Pro Lys Val Asn Val Asn Ala Ile  
20 25 30

Lys Lys Gly Gly Lys Ala Ile Gly Lys Gly Phe Lys Val Ile Ser Ala  
35 40 45

Ala Ser Thr Ala His Asp Val Tyr Glu His Ile Lys Asn Arg Arg His  
50 55 60

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<211> 68  
<212> PRT  
<213> Galleria mellonella

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1 5 10 15

Phe Val Ser Ser Gly Asp Ala Ala Pro Gly Lys Ile Pro Val Lys Ala  
20 25 30

Ile Lys Lys Gly Gly Gln Ile Ile Gly Lys Ala Leu Arg Gly Ile Asn  
35 40 45

Ile Ala Ser Thr Ala His Asp Ile Ile Ser Gln Phe Lys Pro Lys Lys  
50 55 60

Lys Lys Asn His  
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<213> Galleria mellonella

<400> 4

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20 25 30

His Ile Lys Asn Arg Arg His  
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<213> Galleria mellonella

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1 5 10 15

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cctaaagtca atgttaatgc cattaagaag ggaggaaagg ccataggaaa aggatttaaa 180  
gtaatcagtg cggcgagtac agcgcgatgac gtctatgaac acattaaaaa cagaaggcac 240  
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agcggcgcct aaagtcaatg ttaatgccat taagaaggga ggaaaggcca taggaaaagg 180  
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 tgagattgtc cataatattg gtcgttgtga tgatggatgat ggctatgttt gtgagcagtg 120  
 gagatgcggc gcctggaaaa attcctgtga aagcgattaa aaaaggaggg caaattattg 180  
 gtaaagctct gcgtggaatc aatatagcga gtactgcaca tgacataatt agccagttca 240  
 aaccgaaaaa gaagaaaaac cattgagtat ttaataaaaa atcgttcaat aatatattta 300  
 ataataataa taaattttac ttatattact ataataataa taatattttt aattgtgcca 360  
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 aatgaagcgg cgcctaaagt caatgttaat gccattaaga agggaggaaa ggccatagga 120  
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 aacagaaggc ac 192

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 aaaccgaaaa agaagaaaaa ccat 204

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Leu Val Pro Ser Glu Ala Ala Pro Gly Lys Ile Pro Val Lys Ala Ile  
 20 25 30

Lys Lys Ala Gly Ala Ala Ile Gly Lys Gly Leu Arg Ala Ile Asn Ile  
 35 40 45

Ala Ser Thr Ala His Asp Val Tyr Ser Phe Phe Lys Pro Lys His Lys  
 50 55 60

Lys Lys His  
 65



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<211> 67  
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<213> Manduca sexta

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Met Lys Leu Thr Ser Leu Phe Ile Phe Val Ile Val Ala Leu Ser Leu  
1 5 10 15

Leu Phe Ser Ser Thr Asp Ala Ala Pro Gly Lys Ile Pro Val Lys Ala  
20 25 30

Ile Lys Gln Ala Gly Lys Val Ile Gly Lys Gly Leu Arg Ala Ile Asn  
35 40 45

Ile Ala Gly Thr Thr His Asp Val Val Ser Phe Phe Arg Pro Lys Lys  
50 55 60

Lys Lys His  
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Met Asn Ile Leu Lys Phe Phe Phe Val Phe Ile Val Ala Met Ser Leu  
1 5 10 15

Val Ser Cys Ser Thr Ala Ala Pro Ala Lys Ile Pro Ile Lys Ala Ile  
20 25 30

Lys Thr Val Gly Lys Ala Val Gly Lys Gly Leu Arg Ala Ile Asn Ile  
35 40 45

Ala Ser Thr Ala Asn Asp Val Phe Asn Phe Leu Lys Pro Lys Lys Arg  
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Lys His  
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<210> 17

<211> 41  
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<213> *Heliothis virescens*

<400> 17

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Lys Gly Leu Arg Ala Val Asn Ile Ala Ser Thr Ala His Asp Val Tyr  
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Thr Phe Phe Lys Pro Lys Lys Arg His  
35 40

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<213> *Bombyx mori*

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Met Tyr Phe Leu Lys Tyr Phe Ile Val Val Leu Val Ala Leu Ser Leu  
1 5 10 15

Met Ile Cys Ser Gly Gln Ala Asp Pro Lys Ile Pro Val Lys Ser Leu  
20 25 30

Lys Lys Gly Gly Lys Val Ile Ala Lys Gly Phe Lys Val Leu Thr Ala  
35 40 45

Ala Gly Thr Ala His Glu Val Tyr Ser His Val Arg Asn Arg Gly Asn  
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Gln Gly  
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<210> 19  
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<212> PRT  
<213> *Galleria mellonella*

<400> 19

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Gly Phe Lys Val Ile Ser Ala Ala Ser Thr Ala His Asp Val Tyr Glu

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<211> 28

<212> PRT

<213> Galleria mellonella

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Thr Ala His Asp Ile Ile Ser Gln Phe Lys Pro Lys  
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<212> DNA

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22

<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide primer

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actcgccgca ctgattac

18

<210> 27

<211> 18

<212> DNA

<213> Artificial Sequence

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<210> 28

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 agtcaatggt aatgccatta agaagggagg aaaggccata ggaaaaggat ttaaagtaat 180  
 cagtgcggcg agtacagcgc atgacgtcta tgaacacatt aaaaacagaa ggcactaata 240  
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Gly Leu Gly Val Ile Gly Ala Ala Gly Thr Ala His Glu Val Tyr Ser  
 20 25 30

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<212> DNA

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<223> Oligonucleotide Primer

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33

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<212> PRT

<213> Galleria mellonella

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Met Lys Leu Thr Gly Leu Phe Phe Met Ile Met Ala Met Leu Ala Leu  
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Phe Val Gly Ala Gly Gln Ala Asp Pro Lys Val Pro Ile Gly Ala Ile  
20 25 30

Lys Lys Gly Gly Lys Ile Ile Lys Lys Gly Leu Gly Val Ile Gly Ala  
35 40 45

Ala Gly Thr Ala His Glu Val Tyr Ser His Val Lys Asn Arg His  
50 55 60

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<212> PRT

<213> Galleria mellonella

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1 5 10 15

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20 25